

SUBSTITUTE FORM PTO-1449 (MODIFIED)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. 09010/018002	SERIAL NO. 08/988,224
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT: Short et al.			
		FILING DATE 12/10/97	GROUP 1652		
(37 CFR 1.98(b))					

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA	5 7 8 3 4 3 1	7/21/98	Peterson et al.	<i>Reference in Recl</i>			
AB							
AC							
AD							
AE							
AF							
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AH							
AI							
AJ							
AK							

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
AL								
AM								
AN								
AO								
AP								

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

AQ	
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EXAMINER

Short

DATE CONSIDERED

4/2/01

EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
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APPLICANT:
Short J., et al.FILING DATE
December 10, 1997GROUP
1652

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		PATENT NUMBER							ISSUE DATE	PATENTEE		CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
Mc	AA	5	7	8	3	4	3	1	07/21/98	Peterson et al.		435	172.3	
Mc	AB	5	3	1	6	9	3	5	05/31/94	Arnold et al.		435	222	
Mc	AC	5	3	5	2	7	7	8	10/4/94	Comb et al.		536	23.2	
Mc	AD	5	8	2	4	4	8	5	10/20/98	Thompson et al.		639	255	
	AE													
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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
Mc	AL	WO 96/34112	10/31/96	PCT	—	—		
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

Mc	AR	Hennecke et al., "Concurrent evolution of nitrogenase genes and 16S rRNA in <i>Rhizobium</i> species and other nitrogen fixing bacteria", <i>Arch Microbiol</i> , 142:342-348 (March 21, 1985)
Mc	AS	Kirshtein et al., "Amplification, Cloning, and Sequencing of a <i>nifH</i> Segment from Aquatic Microorganisms and Natural Communities", Vol. 57, No. 9, <i>Applied and Environmental Microbiology</i> , p. 2645-2650 (September 1991)
Mc	AT	Stein et al., "Kinetic and physical properties of a recombinant RuBisCO from a chemoautotrophic endosymbiont", <i>Molecular Marine Biology and Biotechnology</i> , 2(5) pp. 280-290 (1993)
Mc	AU	Stein et al., "Nucleoside sequence and expression of a deep-sea ribulose 1,5bisphosphate carboxylase gene cloned from chemoautotrophic bacterial endosymbiont", <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 87 pp. 8830-8834 (November 1990)
Mc	AV	Ueda et al., "Remarkable N ₂ -Fixing Bacterial Diversity Detected in Rice Roots by Molecular Evolutionary Analysis of <i>nifH</i> Gene Sequences", <i>Journal of Bacteriology</i> , pp. 1414-1417 (March 1995)
Mc	AW	Zhou et al., "Random mutagenesis of gene-sized DNA molecules by use of PCR with Taq DNA polymerase", <i>Nucleic Acids Research</i> , Vol. 19, No.21, p. 6052 (August 20, 1991)

EXAMINER

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DATE CONSIDERED

4/2/01

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		DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY OR PATENT OFFICE	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
ME	AL	WO 91/16427	10/31/91	PCT	—	—		
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (including Author, Title, Date, Place of Publication)

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